

## **PROBLEM SUMMARY**

Sample Rating Trend

**WATER** 

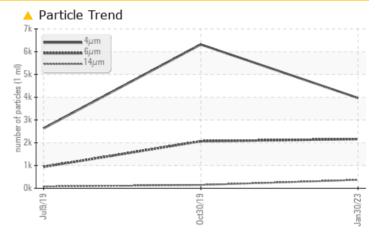
# KAESER CSD 75 4539854 (S/N 1133)

Compressor

KAESER SIGMA (OEM) FG-460 (--- GAL)

## **COMPONENT CONDITION SUMMARY**





## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ATTENTION	NORMAL		
Water	%	ASTM D6304	>0.05	<b>△</b> 0.166	0.004	0.004		
ppm Water	ppm	ASTM D6304	>500	<b>1660</b>	47.0	40		
Particles >6µm		ASTM D7647	>1300	<u> </u>	<b>2</b> 065	940		
Particles >14µm		ASTM D7647	>80	<b>△</b> 368	<u> </u>	78		
Particles >21µm		ASTM D7647	>20	<u> </u>	<b>△</b> 37	18		
Particles >38µm		ASTM D7647	>4	<u> </u>	<b>8</b>	2		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	<u>▲</u> 18/14	17/13		
Debris	scalar	*Visual	NONE	MODER	NONE	NONE		
Free Water	scalar	*Visual		<b>1.0</b>	NEG	NEG		

Customer Id: PIAMAL Sample No.: KCP55743 Lab Number: 05764110 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

## **RECOMMENDED ACTIONS**

Action	Status	Date	Done By	Description
Change Fluid			?	Oil and filter change at the time of sampling has been noted.
Change Filter			?	Oil and filter change at the time of sampling has been noted.

## HISTORICAL DIAGNOSIS

## 30 Oct 2019 Diag: Angela Borella

WEAR



Resample at the next service interval to monitor. An increase in the aluminum level is noted. All other component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



## 09 Jul 2019 Diag: Jonathan Hester

NORMAL

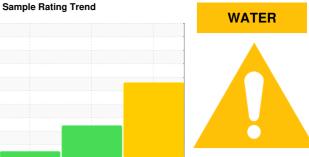


Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





## **OIL ANALYSIS REPORT**



# KAESER CSD 75 4539854 (S/N 1133)

Compressor

KAESER SIGMA (OEM) FG-460 (--- GAL)

## **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition.

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil. Free water present. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Jui2019		Oct2019 Jan2	023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP55743	KCP21291	KCP19728
Sample Date		Client Info		30 Jan 2023	30 Oct 2019	09 Jul 2019
Machine Age	hrs	Client Info		73330	56346	52857
Oil Age	hrs	Client Info		1849	2682	2906
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	36	2	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	3	<u> </u>	3
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	3	9	5
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m			0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	2	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	<1	2
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m	500	41	235	<b>A</b> 89
Zinc	ppm	ASTM D5185m		0	65	<b>▲</b> 33
Sulfur	ppm	ASTM D5185m		678	888	▲ 318
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	3	<1
Water	%	ASTM D6304	>0.05	<u> </u>	0.004	0.004
ppm Water	ppm	ASTM D6304	>500	<b>1660</b>	47.0	40
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		3967	6316	2632
Particles >6µm		ASTM D7647	>1300	<u>^</u> 2161	<u>▲</u> 2065	940
Particles >14μm		ASTM D7647	>80	<u>▲</u> 368	<u> </u>	78
Particles >21µm		ASTM D7647	>20	<u> </u>	<b>△</b> 37	18
Particles >38μm		ASTM D7647	>4	<u> </u>	<u>^</u> 8	2
Particles >71μm		ASTM D7647	>3	2	4	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>1</b> 9/18/16	<u></u> 18/14	17/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**

